Entity Types:

1. **Borrower**: A person or organization that submits a loan request.

Attributes:

- Borrower ID (unique identifier)
- Name
- Contact information
- Employment information
- Income
- Credit score
- 2. **Loan Request**: A request for a loan submitted by a borrower.

Attributes:

- Request ID (unique identifier)
- Borrower ID (foreign key)
- Loan amount
- Purpose of the loan
- Collateral (if any)
- Request status (approved/denied/pending)
- 3. **Loan Approval**: The decision made by the Al-based system on whether to approve or deny a loan request.

Attributes:

- Approval ID (unique identifier)
- Request ID (foreign key)
- Approval date
- Approval status (approved/denied)
- 4. **Loan Distribution**: The process of distributing approved loans to borrowers.

Attributes:

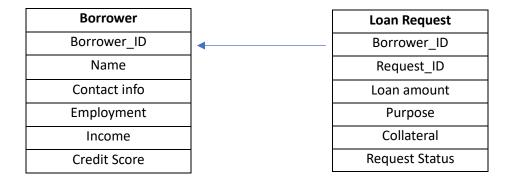
- Distribution ID (unique identifier)
- Request ID (foreign key)
- Distribution date
- Amount distributed

5. **Loan Tracking**: The process of tracking loan activity and generating reports for the financial institution.

Attributes:

- Tracking ID (unique identifier)
- Request ID (foreign key)
- Payment due date
- Payment amount
- Payment status

E-R Diagram (First Version)



Loan Approval	Loan Distribution
Approval ID	Distribution ID
Request ID	Request ID
Approval date	Distribution date
Approval status	Amount distributed

Loan Tracking	
Tracking ID	
Request ID	
Payment Due Date	
Payment amount	
Payment status	